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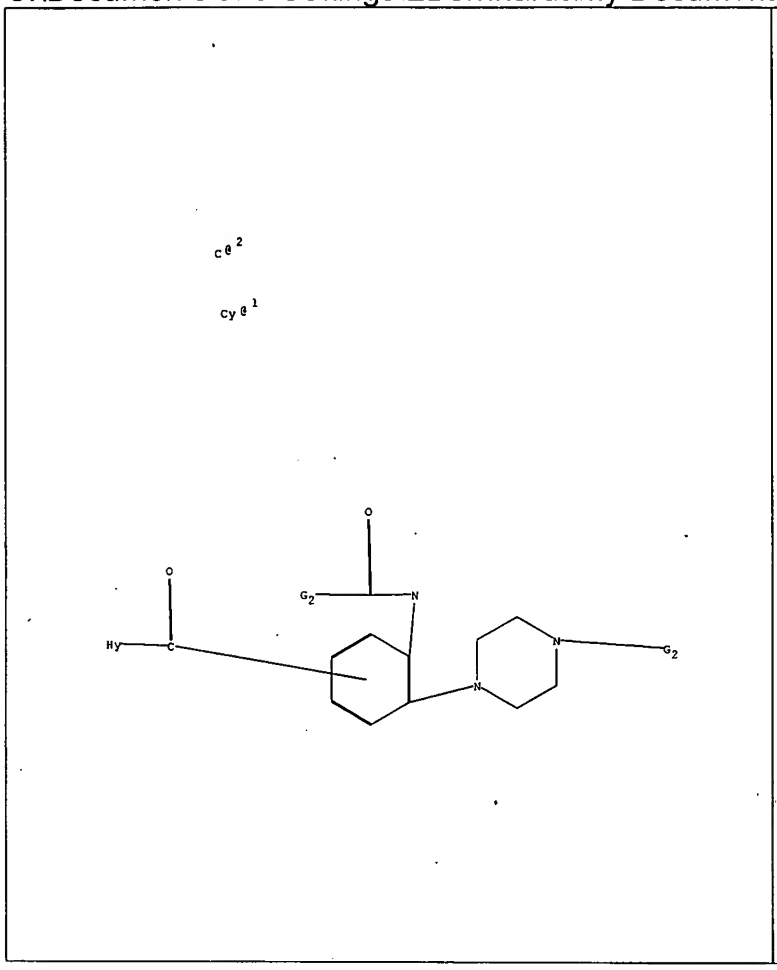


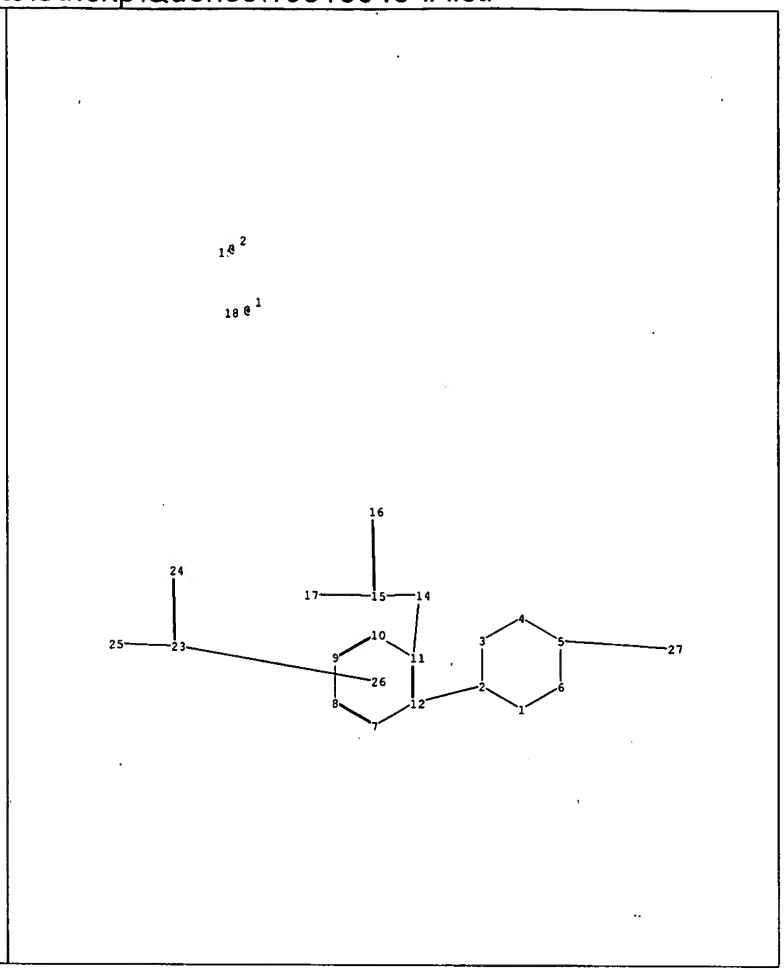


chain nodes :
14 15 16 17 18 19 23 24 25 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
2-12 5-27 11-14 14-15 15-16 15-17 23-24 23-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 2-12 3-4 4-5 5-6 5-27 11-14 14-15 15-16 15-17 23-24 23-25
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :

G2:[*1],[*2]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:CLASS 23:CLASS 24:CLASS 25:Atom 26:Atom 27:CLASS

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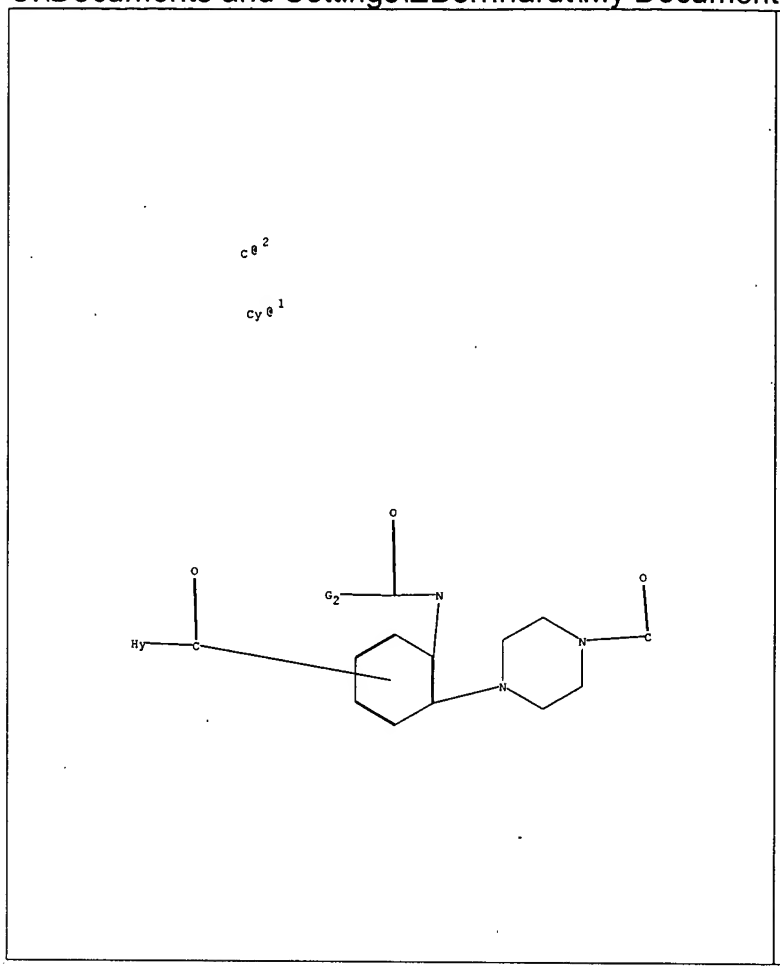


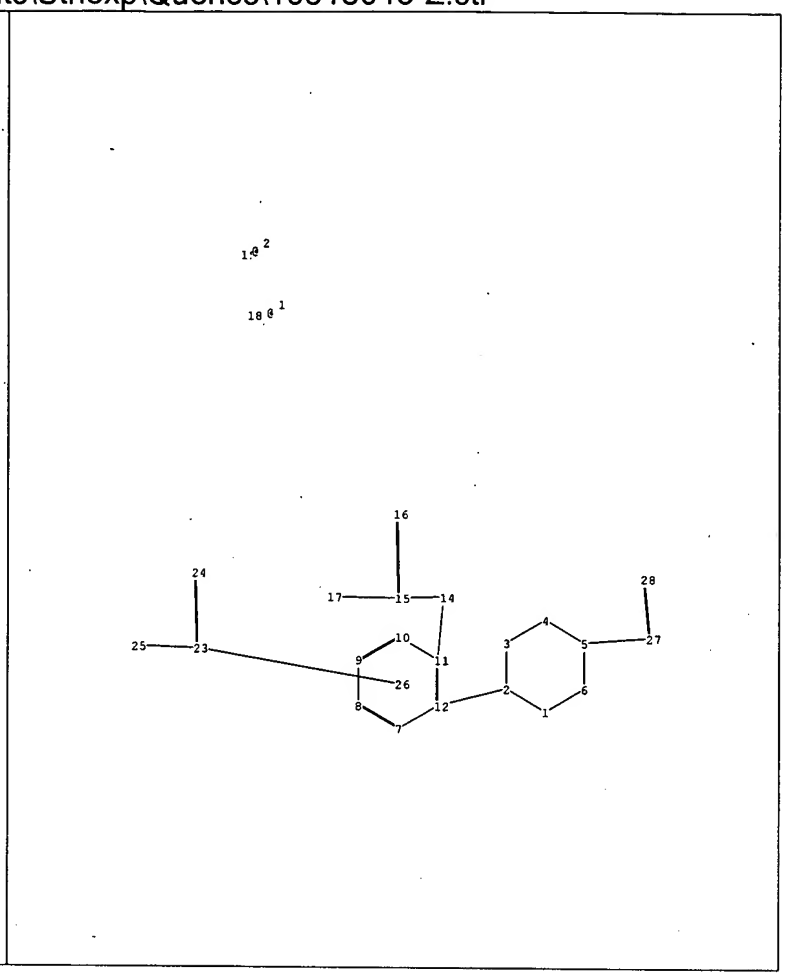


chain nodes :
14 15 16 17 18 19 23 24 25 27 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
2-12 5-27 11-14 14-15 15-16 15-17 23-24 23-25 27-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 2-12 3-4 4-5 5-6 5-27 11-14 14-15 15-16 15-17 23-24 23-25 27-28
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :

G2:[*1],[*2]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:CLASS 23:CLASS 24:CLASS 25:Atom 26:Atom 27:CLASS 28:CLASS

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PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 19:11:14 ON 19 FEB 2007
FILE 'REGISTRY' ENTERED AT 19:11:14 ON 19 FEB 2007
COPYRIGHT (C) 2007 American Chemical Society (ACS)
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     7.65       8.07

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     7.65       8.07

FILE 'REGISTRY' ENTERED AT 19:11:25 ON 19 FEB 2007
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provided by InfoChem.

STRUCTURE FILE UPDATES:   18 FEB 2007  HIGHEST RN 921759-52-6
DICTIONARY FILE UPDATES:  18 FEB 2007  HIGHEST RN 921759-52-6

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> d his

     (FILE 'HOME' ENTERED AT 19:04:44 ON 19 FEB 2007)

     FILE 'REGISTRY' ENTERED AT 19:06:00 ON 19 FEB 2007
L1             STRUCTURE UPLOADED
L2          34 S L1

     FILE 'REGISTRY' ENTERED AT 19:11:25 ON 19 FEB 2007

=> s l1
SAMPLE SEARCH INITIATED 19:12:11 FILE 'REGISTRY'
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10815048

SAMPLE SCREEN SEARCH COMPLETED - 622 TO ITERATE

100.0% PROCESSED 622 ITERATIONS 34 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10944 TO 13936
PROJECTED ANSWERS: 331 TO 1029

L3 34 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 19:12:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12504 TO ITERATE

100.0% PROCESSED 12504 ITERATIONS 661 ANSWERS
SEARCH TIME: 00.00.02

L4 661 SEA SSS FUL L1

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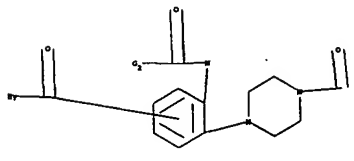

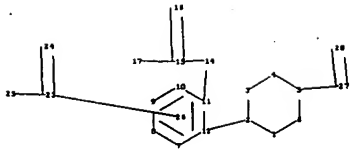

10815048

chain nodes :
14 15 16 17 18 19 23 24 25 27 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
2-12 5-27 11-14 14-15 15-16 15-17 23-24 23-25 27-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 2-12 3-4 4-5 5-6 5-27 11-14 14-15 15-16 15-17 23-24 23-25
27-28
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :

G2:[*1],[*2]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:CLASS
23:CLASS 24:CLASS 25:Atom 26:Atom 27:CLASS 28:CLASS

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l5 sub=l4 full
FULL SUBSET SEARCH INITIATED 19:13:33 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 660 TO ITERATE

100.0% PROCESSED 660 ITERATIONS 655 ANSWERS
SEARCH TIME: 00.00.01

L6 655 SEA SUB=L4 SSS FUL L5

=> s l4 not l6
L7 6 L4 NOT L6

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
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FILE COVERS 1907 - 19 Feb 2007 VOL 146 ISS 9
FILE LAST UPDATED: 18 Feb 2007 (20070218/ED)

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http://www.cas.org/infopolicy.html

=> s l7
L8 3 L7

=> d l8 1-3 bib abs hitstr

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:857558 CAPLUS
DN 141:350197
TI Preparation of phospholipase c inhibitors for use in treating inflammatory disorders
IN Lagu, Bharat; Rupert, Kenneth; Wachter, Michael
PA Janssen Pharmaceutica N.V., Belg.
SO PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 2004087654 | A2 | 20041014 | WO 2004-US9839 | 20040331 |
| | WO 2004087654 | A3 | 20050127 | | |
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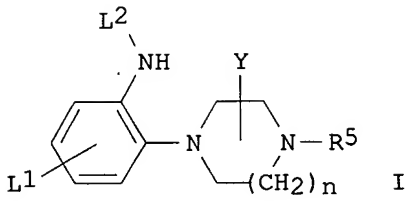
| | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2004235827 | A1 | 20041125 | US 2004-815048 | 20040331 |
| PRAI | US 2003-459067P | P | 20030331 | | |

OS MARPAT 141:350197
GI



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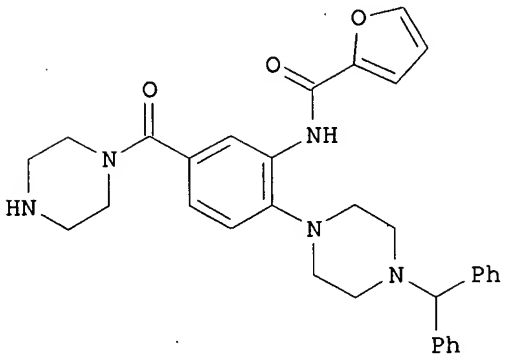


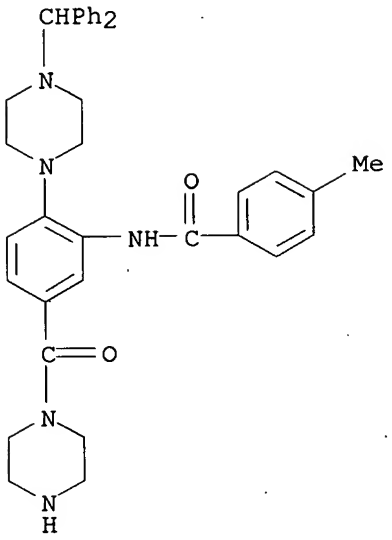
II

AB This invention is directed to preparation of heterocyclyl-substituted anilino phospholipase C inhibitor compds. I [L1 = (un)substituted-alkyl, -heterocyclic carbonyl, -alkylsulfonyl, etc.; L2 = (un)substituted-alkyl, -alkylsulfonyl, -N-alkylamide, etc.; R5 = (un)substituted-alkyl, -cycloalkyl, -aryl; Y = one or more optionally present (un)substituted alkyl substituents; n = 1-2] useful in treating or ameliorating an inflammatory disorders and/or restenosis and enantiomers, diastereomers and pharmaceutically acceptable salts thereof. Thus, e.g., II was prepared in six steps employing a solid phase synthesis starting from piperazine (47% yield). Solution phase methods for preparing I are also presented. I possessed IC50 values ranging from 8.7 to >25 μM. The present invention is further directed to pharmaceutical compns. comprising the compds. of the present invention and to methods for treating conditions affected by phospholipase modulation.

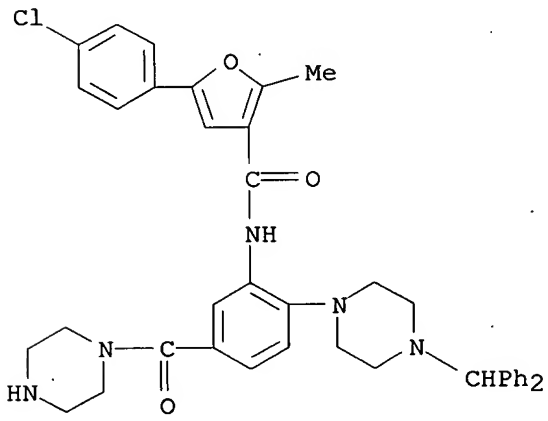
IT 774582-81-9P 774582-82-0P 774582-83-1P
774582-84-2P 774582-92-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; solid phase synthesis of piperazinyl derivs. and analogs thereof as phospholipase C inhibitors for treatment of inflammatory disorders)

RN 774582-81-9 CAPLUS

CN Benzamide, N-[2-[4-(diphenylmethyl)-1-piperazinyl]-5-(1-piperazinylcarbonyl)phenyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 774582-82-0 CAPLUS
CN 3-Furancarboxamide, 5-(4-chlorophenyl)-N-[2-[4-(diphenylmethyl)-1-piperazinyl]-5-(1-piperazinylcarbonyl)phenyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 774582-83-1 CAPLUS
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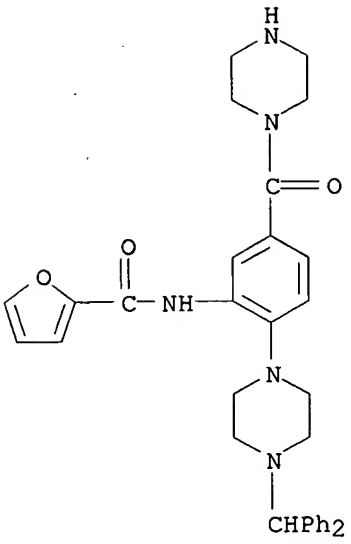
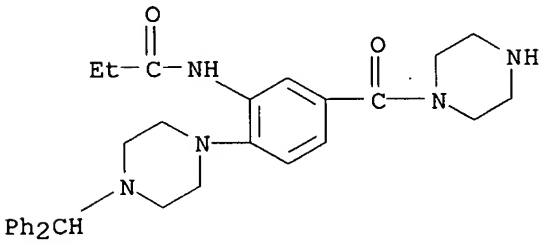


RN 774582-84-2 CAPLUS
CN Propanamide, N-[2-[4-(diphenylmethyl)-1-piperazinyl]-5-(1-piperazinylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)



RN 774582-92-2 CAPLUS
CN 2-Furancarboxamide, N-[2-[4-(diphenylmethyl)-1-piperazinyl]-5-(1-piperazinylcarbonyl)phenyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

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CRN 774582-83-1
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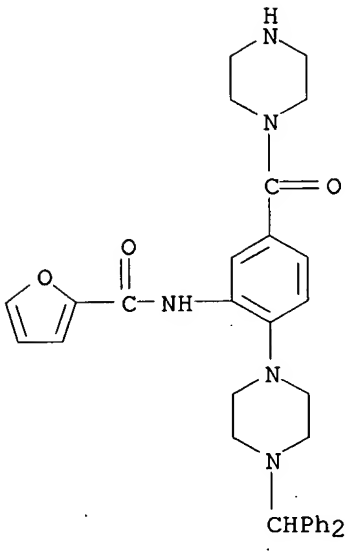
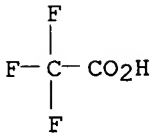


CM 2

CRN 76-05-1
CMF C2 H F3 O2



L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:638288 CAPLUS
DN 137:185513
TI Preparation of piperidine and piperazine derivatives as inhibitors of p38α kinase
IN Goehring, R. richard; Mavunkel, Babu J.; Liu, David Y.; Schreiner, George F.; Leudtke, Gregory; Lewicki, John A.
PA USA
SO U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S. Ser. No. 385,494.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | US 2002115671 | A1 | 20020822 | US 2001-796997 | 20010228 |
| | US 6541477 | B2 | 20030401 | | |
| | US 6410540 | B1 | 20020625 | US 1999-385494 | 19990827 |
| PRAI | US 1999-385494 | A2 | 19990827 | | |
| | US 2000-185571P | P | 20000228 | | |
| | US 1998-98219P | P | 19980828 | | |

US 1999-125343P P 19990319
OS MARPAT 137:185513
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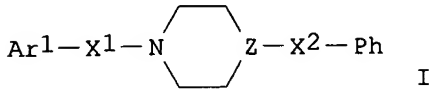
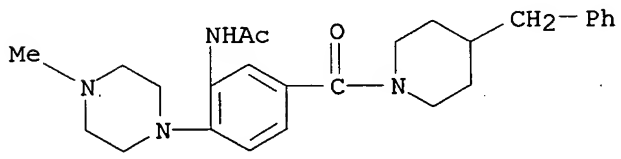


I

AB The title compds. I [Ar1 = furanyl optionally substituted; X1 = CO; Z = N, CH; X2 = CH2, isostere; Ph may be optionally substituted], inhibitors of p38α kinase, were prepared For example, 1-benzoyl-4-benzylpiperidine was prepared in 96% yield by reaction of 4-benzylpiperidine and PhCOCl in the presence of diisopropylethylamine in CH2Cl2. In p38α kinase inhibition assays, I showed substantial inhibition at 15 μM, some as high as 99%. I are useful for the treatment of conditions associated with activation of p38α, in particular inflammation and cardiac conditions (no data).

IT 358985-88-3P, Acetamide, N-[2-(4-methyl-1-piperazinyl)-5-[[4-(phenylmethyl)-1-piperidinyl]carbonyl]phenyl]-
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidine and piperazine derivs. as inhibitors of p38α kinase for treatment of inflammation and cardiac conditions)

RN 358985-88-3 CAPLUS
CN Acetamide, N-[2-(4-methyl-1-piperazinyl)-5-[[4-(phenylmethyl)-1-piperidinyl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:661422 CAPLUS
DN 135:227015
TI Preparation of piperidine and piperazine derivatives as inhibitors of p38-α kinase
IN Goehring, Richard R.; Mavunkel, Babu J.; Liu, David Y.; Schreiner, George F.; Luedtke, Gregory; Lewicki, John A.
PA Scios, Inc., USA
SO PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO 2001064676 | A2 | 20010907 | WO 2001-US6715 | 20010228 |
| | WO 2001064676 | A3 | 20020328 | | |

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CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
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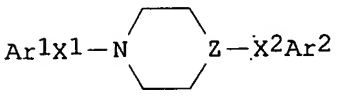
PRAI US 2000-185571P P 20000228
OS MARPAT 135:227015
GI

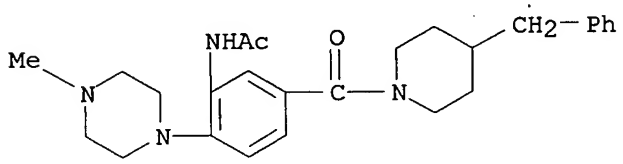



I

AB The title compds. I [Ar1 = furanyl optionally substituted; X1 = CO; Z = N, CH; X2 = CH2, isostere; Ar2 = substituted Ph], inhibitors of p38-α kinase, were prepared E.g., 1-benzoyl-4-benzylpiperidine was prepared by reaction of 4-benzylpiperidine and PhCOCl.

IT 358985-88-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidine and piperazine derivs. as inhibitors of p38-α kinase)

RN 358985-88-3 CAPLUS
CN Acetamide, N-[2-(4-methyl-1-piperazinyl)-5-[[4-(phenylmethyl)-1-piperidinyl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)

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FILE COVERS 1907-1966

10815048

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> s l7
L9 0 L7

=> log h

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
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SESSION WILL BE HELD FOR 120 MINUTES
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